

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
15 September 2005 (15.09.2005)

PCT

(10) International Publication Number
WO 2005/084949 A1

(51) International Patent Classification⁷: **B41F 16/02**,
B41M 5/035

(21) International Application Number:
PCT/BR2004/000246

(22) International Filing Date:
16 December 2004 (16.12.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
PI 0400373-0 2 March 2004 (02.03.2004) BR

(71) Applicant (for all designated States except US): **BELT-GROUP C.V.**; Wings House 16, 3065 JE, Rotterdam (NL).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **LORENZO, Ricardo Augusto de** [BR/BR]; Rua Tabapua, 649 - 8 andar - apto. 82, 04533-000 São Paulo - SP (BR).

(74) Agent: **EDMUNDO BRUNNER ASSESSORIA EM PI LTDA**; Att.: Marcelo Brunner, Av. Brigadeiro Luis Antonio, 4329, 01401-002 São Paulo - SP (BR).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declaration under Rule 4.17:

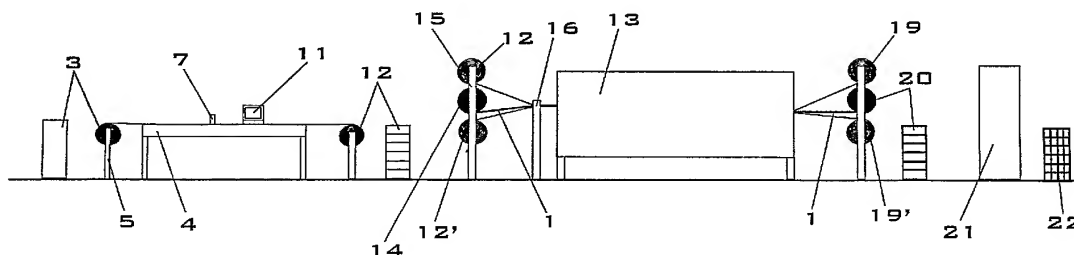
— of inventorship (Rule 4.17(iv)) for US only

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: PROCESS TO APPLY DIGITAL IMAGES IN STRAPS, APPLIANCE TO THIS APPLICATION AND OBTAINED STRAPS.



(57) Abstract: The present invention refers to a process and to an equipment and machine, which allow the application of digital images to straps, webbings and belts of different kinds and sizes destined to different applications and is achieved in a way to provide the continuous transferring of digital images or a trace to straps, where the straps (1) are manufactured with an ordinary weave (2) or with an special weave to receive a bleaching treatment with an optical white, as well as pass by a thermo-fixation process that creates an alteration at the material properties, enabling, this way, various printings in high quality.



WO 2005/084949 A1